

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-16. (cancelled)

17. (currently amended) A device for automatically detecting ~~various characteristics~~ at least one centering characteristic of an ophthalmic lens fitted in a spectacle frame, the device comprising:

a support adapted to receive said spectacle frame in which the ophthalmic lens is fitted ~~lens~~, which support is displaceable in translation along two mutually perpendicular axes, ~~and the device includes means~~

a positioning pointer for forming a positioning image on first acquisition and analysis means, and

means for processing said positioning image and for deducing therefrom the position of said support in a stationary frame of reference.

18. (currently amended) A device according to claim 17, including, on either side of said support, firstly first illumination means for illuminating the ophthalmic lens installed on said support, and secondly said first acquisition and analysis

means, and wherein said ~~support includes at least one~~ positioning pointer is a passive pointer which, when illuminated by said first illumination means forms, in shadow, ~~[[a]]~~ the positioning image on said first acquisition and analysis means.

19. (previously presented) A device according to claim 17, wherein said support includes an active pointer that emits a signal received by said first acquisition and analysis means.

20. (previously presented) A device according to claim 17, wherein each pointer presents a polygonal contour line.

21. (previously presented) A device according to claim 17, wherein each pointer presents a circular contour line.

22. (previously presented) A device according to claim 17, wherein each pointer presents a cruciform contour line.

23. (previously presented) A device according to claim 20, wherein the contour line is an outer contour line.

24. (previously presented) A device according to claim 20, wherein the contour line is an inner contour line.

25. (previously presented) A device according to claim 18, wherein said support is movable between a plurality of positions for measuring characteristics of said lens, the device including a plurality of passive pointers arranged in such a manner that at least one of the passive pointers is illuminated by said first illumination means and forms, in shadow, a positioning image on said first acquisition and analysis means regardless of the measurement position taken up by said support.

26. (previously presented) A device according to claim 17, wherein said support is displaceable along a third axis perpendicular to the first two displacement axes.

27. (cancelled).

28. (previously presented) A device according to claim 17, wherein said support includes a plurality of elements suitable for taking up relative positions that are different relative to one another.

29. (previously presented) A device according to claim 28, wherein said support comprises a nose and a clamping jaw suitable for clamping a spectacle frame, said clamping jaw being displaceable in translation relative to said nose while

being continuously urged towards an initial position relative thereto by resilient return means.

30. (previously presented) A device according to claim 29, wherein said nose is mounted on a slider portion suitable for sliding in a groove of a strip, said nose attached to said slider portion being suitable for being displaced in translation relative to said strip while being continuously urged towards an initial position relative thereto by resilient return means.

31. (previously presented) A device according to claim 30, wherein said nose is pivotally mounted on said slider portion.

32. (currently amended) A method of automatically detecting various characteristics of an ophthalmic lens provided with markings, using the device according to claim 17, the method comprising the following steps:

- with the ~~ophthalmic lens~~ spectacle frame placed on said support, displacing the support to position ~~said~~ the lens in a measurement position;
- using said first illumination means to illuminate said lens ~~and at least one passive pointer of said support, the~~ a pattern filter being activated;

- using said acquisition and analysis means to pick up a digital file representative of the image of the lens;
- deactivating the pattern filter;
- using said acquisition and analysis means to pick up a digital file representative of the positioning image formed, in shadow, by said ~~passive~~ positioning pointer;
- processing the digital files as picked up; and
- deducing therefrom the position of said support and the positions of the markings of the lens in a stationary frame of reference.

33. (new) A device according to claim 17, further comprising means for determining the position of a central point of said ophthalmic lens in the stationary frame of reference and means for deducing therefrom the centering characteristic of the ophthalmic lens.

34. (new) A device according to claim 33, including, on either side of said support, firstly first illumination means for illuminating the ophthalmic lens installed on said support, and secondly said first acquisition and analysis means, and wherein said positioning pointer is a passive pointer which, when illuminated by said first illumination means forms, in shadow, the positioning image on said first acquisition and analysis means.

35. (new) A device according to claim 33, wherein said support includes an active pointer that emits a signal received by said first acquisition and analysis means.

36. (new) A device according to claim 33, wherein each pointer presents a polygonal contour line.

37. (new) A device according to claim 33, wherein each pointer presents a circular contour line.

38. (new) A device according to claim 33, wherein each pointer presents a cruciform contour line.

39. (new) A device according to claim 33, wherein said support is displaceable along a third axis perpendicular to the first two displacement axes.

40. (new) A method of automatically detecting various characteristics of an ophthalmic lens provided with markings, using the device according to claim 33, the method comprising the following steps:

- with the spectacle frame placed on said support, displacing the support to position the lens in a measurement position;

- using said first illumination means to illuminate said lens, a pattern filter being activated;

- using said acquisition and analysis means to pick up a digital file representative of the image of the lens;

- deactivating the pattern filter;

- using said acquisition and analysis means to pick up a digital file representative of the positioning image formed, in shadow, by said positioning pointer;

- processing the digital files as picked up; and

- deducing therefrom the position of said support and the positions of the markings of the lens in a stationary frame of reference.